

Industrial Wastewater Treatment from Phenol

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Abstract: The possibility of adsorption treatment of industrial wastewater coming from oil refineries from phenols using production waste is considered.

Phenols are toxic substances for the human body and belong to hazard class II, the maximum permissible concentration (MPC) of phenols in water is 0.1 mg/dm^3 . Industrial wastewater containing phenols has a number of difficulties that technologists encounter when selecting a technological scheme for treating these pollutants or disposing of them.

The technological procedure of wastewater treatment from phenols with modified carbonate sludge, which is a large-tonnage waste of power engineering, and the scheme of wastewater treatment from phenols using the example of Aktobe Oil Refining LLP are proposed.